



Volume contents

Volume 74 (1994)

A duality in aging: the equivalence of mortality models based on radically different concepts A.I. Yashin, J.W. Vaupel, I.A. Iachine (Odense, Denmark; Durham NC)	1
The analysis of survival (mortality) data: Fitting Gompertz, Weibull, and logistic functions D.L. Wilson (Coral Gables, FL).....	15
Changes in pancreatic islets in aging Wistar and Zucker rats: a histochemical and ultrastructural morphometric study V. Ogneva, B. Nikolov (Sofia, Bulgaria).....	35
Choline acetyltransferase and acetylcholinesterase in the hippocampus of aged rats: sensitivity to choline alphoscerate treatment F. Amenta, E. Bronzetti, M. Mancini, J.A. Vega, D. Zaccheo (Camerino, Rome, Genoa, Italy; Oviedo, Spain).....	47
The effect of age on halothane-induced alterations of contractility in isolated rat aorta J.E. Brian, Jr., J.S. Slaven, R.H. Kennedy, E. Seifen (Little Rock, AR)	59
Accelerated aging of dermal fibroblast-like cells from senescence-accelerated mouse (SAM). 1. Acceleration of population aging in vitro M. Hosokawa, Y. Ashida, T. Nishikawa, T. Takeda (Kyoto, Japan) ..	65
Changes in the male rat hepatic cytochrome P-450 level, heme oxygenase and δ -aminolevulinic acid synthase activities at various stages of life A. Plewka, M. Bienioszek, D. Plewka (Katowice-Ligota, Poland).....	79
Age-related increase in collagen production in cultured human osteoblast-like periosteal cells Y. Koshihara, Y. Honda (Tokyo, Japan).....	89
Age- and gender-related changes in the hepatic metabolism of 2-methylpropene and relationship to epoxide metabolizing enzymes M. Cornet, K. Mertens, A. Callaerts, W. Sonck, A. Vercruyse, V. Rogiers (Brussels, Belgium).....	103

Elastin degradation in the aorta of Watanabe hereditary hyperlipidemic rabbits K.M. Dalessandri, P. Eisele, T.S. Wong, J. Parker, R.B. Rucker (Davis, CA).....	117
Oxidative damage, mitochondrial oxidant generation and antioxidant defenses during aging and in response to food restriction in the mouse R.S. Sohal, H.-H. Ku, S. Agarwal, M.J. Forster, H. Lal (Fort Worth, Dallas, TX).....	121
Accumulation of autofluorescent yellow lipofuscin in rat tissues estimated by sodium dodecylsulfate extraction K. Kikugawa, M. Beppu, T. Kato, S. Yamaki, H. Kasai (Tokyo, Japan).....	135
Life span and cancer mortality in the Beagle dog and humans R.E. Albert, S.A. Benjamin, R. Shukla (Cincinnati, OH; Fort Collins, CO).....	149
Rapid accumulation of fluorescent material with aging in an oxygen-sensitive mutant <i>mev-1</i> of <i>Caenorhabditis elegans</i> H. Hosokawa, N. Ishii, H. Ishida, K. Ichimori, H. Nakazawa, K. Suzuki (Kanagawa, Japan).....	161
Age-related decrease in the naive (OX22+) T cells in F344 rats M.A. Pahlavani, A. Richardson (San Antonio, TX).....	171
Developmental variations in the interactions of pyruvate kinase and glyceraldehyde-3-phosphate dehydrogenase with subcellular structure in cavian tissues W. Murrell, D. Crane, C. Masters (Brisbane, Australia).....	177
Author index.....	203
Subject index.....	205
Volume contents.....	209

